

PENINSULA GEOLOGICAL SOCIETY



FIELD TRIP

Saturday & Sunday, May 18-19, 1996

COASTAL GEOLOGY: SAN FRANCISCO-SANTA CRUZ; QUATERNARY TECTONICS, SEDIMENTATION, ENGINEERING PROBLEMS

***Overnight camping at beautiful Jack Brooks Horse Camp in Sam MacDonald Park.
Hot showers, dinner, campfire, breakfast roll provided.***

The trip: Starts 9:00 a.m., large parking lot at Ft. Funston on Hwy 1, southwest San Francisco west of Lake Merced. Major stops:

- Ft. Funston—San Andreas fault offshore/onshore; Merced Fm, sedimentation age and tectonic history.
- Thornton Beach—Merced Fm and evidence for first arrival of Sierran debris through Carquinas Strait, also landslides, tectonics, erosion since construction of old RR grade in 1921.
- Devils slide—Geology, engineering problems and politics, Paleozoic rocks, granitic rocks.
- Fitzgerald Marine Reserve at Seal Cove—Seal Cove fault, sea-cliff erosion.
- Miramontes Point and Tunitas Creek—Half Moon Bay terrace deformation and sea-cliff erosion.
- Pescadero and Año Nuevo—Faulted terraces, tectonic blocks.
- Santa Cruz area—Uplifted marine terraces and the Loma Prieta earthquake.

The trip will end near Santa Cruz, probably in the early afternoon Sunday.

Leaders: *Ken Lajoie* (USGS, Coordinator), *Bob Anderson* (U.C. Santa Cruz), *Bill Glen* (College of San Mateo), *Ralph Hunter* (USGS, retired), *Bob Jachens* (USGS), *Gary Simpson* (Wm. Lettis & Associates), *Joan Van Velsor* (CALTRANS), *Jerry Weber* (Weber, Hayes, & Associates), *Robert Zatzkin* (formerly USGS), *Mary Lou Zoback* (USGS).

Cost and sign-up: \$16 (students \$10), includes camp fee, dinner Saturday night (including soft drinks), sweet roll or muffin Sunday morning. Contact John Galloway (USGS) (415) 329-5688 ASAP, but no later than Tuesday, May 14. Send checks, made out to "PGS," to John Galloway, U.S. Geological Survey, 345 Middlefield Rd., MS-904, Menlo Park, CA 94025. Vegetarians: identify yourselves if you want Saturday dinner provided in camp.

Transportation: Colleges and universities should arrange transportation for their people. Those on the mid-Peninsula and at the USGS, contact John Galloway, USGS, (415) 329-5688, for information on car pooling. People car-pooling from the USGS center in Menlo Park should meet at the flagpole on Homewood Place, 7:30 Saturday morning. Departure: 8:00.

Food & equipment: Bring lunch on Saturday and breakfast and lunch for Sunday; camping gear.

Guidebook: Will be distributed at starting point if we can get one together. Nominal cost.

Dues for Academic Year 1995-96 (\$5.00) should be sent to John Galloway, USGS, MS-904, 345 Middlefield Rd., Menlo Park, CA 94025. John's phone: 415-329-5688.

Officers: Chet Wrucke, President; Mike Diggles, Vice President; Vicki Langenheim, Secretary; John Galloway, Treasurer

PGS Web Page: <http://caldera.wr.usgs.gov/mdiggles/PGS.html>